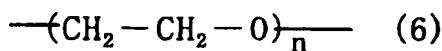
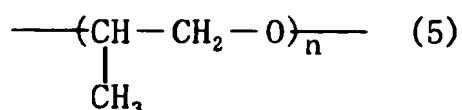
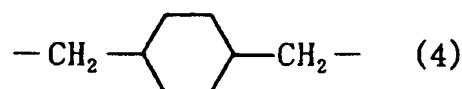
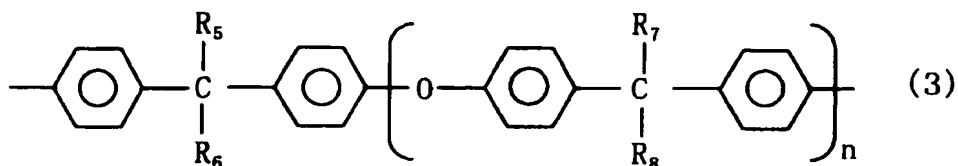
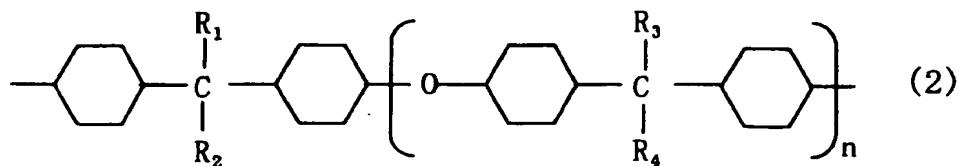
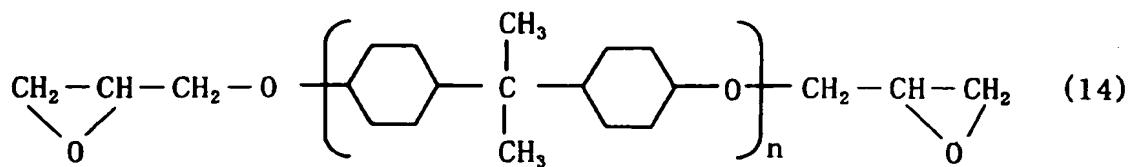


CLAIMS



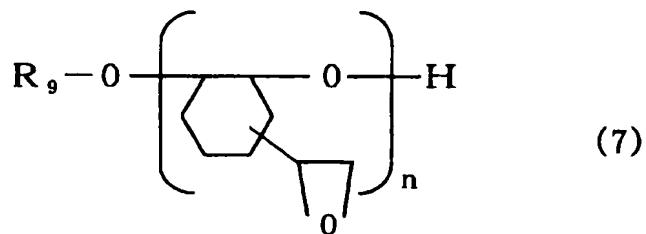
wherein R₁ to R₄ are each independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is 0 to 2 in the structural formula (2), R₅ to R₈ are each independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is 0 to 2 in the structural formula (3), n is 1 to 12 in the structural formula (5), and n is 1 to 24 in the structural formula (6); and a C1-20 alkyl group.

10 6. The neutron shielding material composition according to
any of claims 3 to 5, wherein the epoxy component comprises
a compound of the structural formula (14):

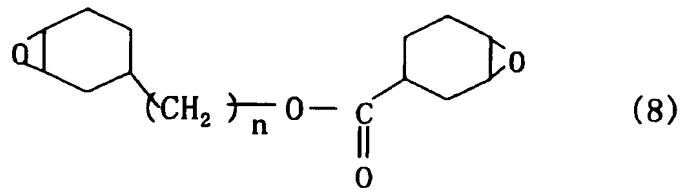


wherein n is 1 to 3.

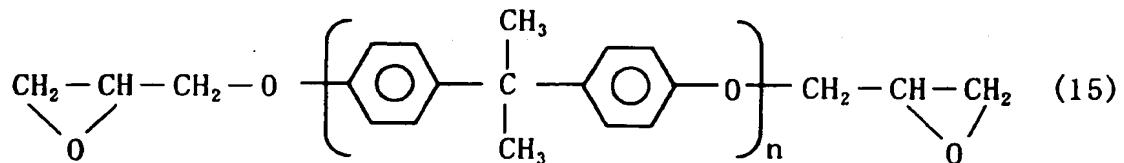
7. The neutron shielding material composition according to
5 any of claims 3 to 6, wherein the epoxy component comprises
at least one compound selected from the group consisting of
a compound of the structural formula (7):



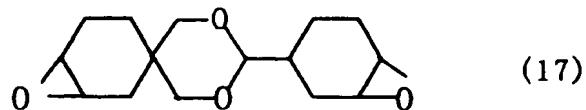
wherein R_9 is a C1-10 alkyl group or H, and n is 1 to 24; a
10 compound of the structural formula (8):



wherein n is 1 to 8; a compound of the structural formula (15):

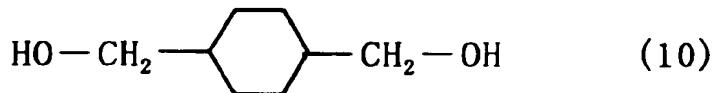
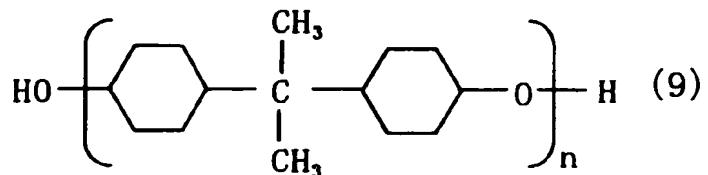


wherein n is 1 to 3; and a compound of the structural formula (17) .



5 8. The neutron shielding material composition according to any of claims 1 to 7, further comprising a compound for increasing the hydrogen content in the composition.

9. The neutron shielding material composition according to 10 any of claims 1 to 8, wherein the compound for increasing the hydrogen content in the composition comprises at least one of compounds of the structural formulas (9) and (10):

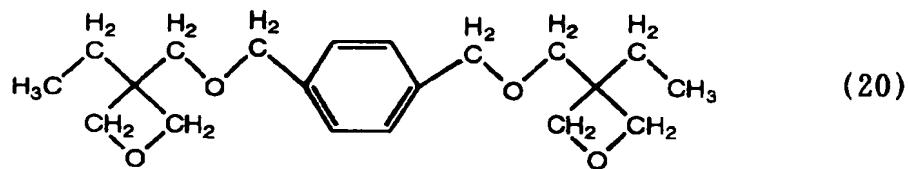
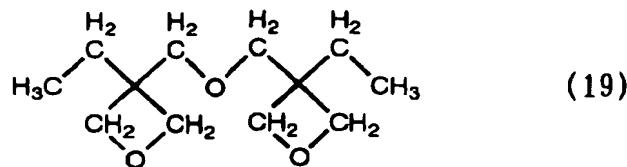


wherein n is 1 to 3.

15

10. The neutron shielding material composition according to any of claims 1 to 9, comprising an oxetane compound as the polymerization component.

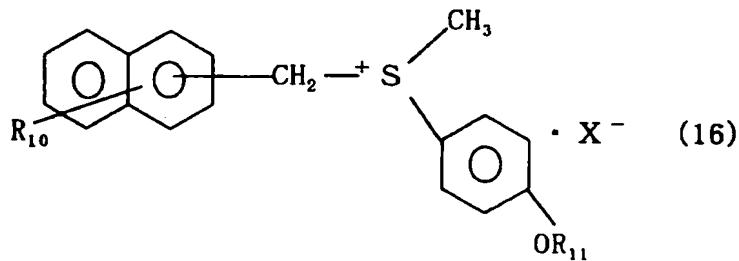
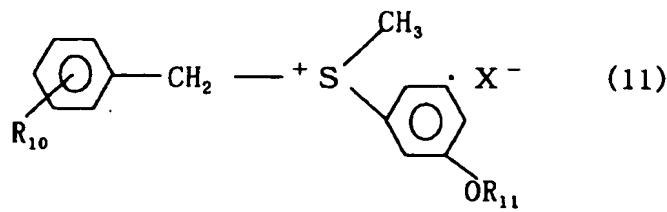
11. The neutron shielding material composition according to claim 10, wherein the oxetane compound comprises at least one of compounds of the structural formulas (19) and (20).



5

12. The neutron shielding material composition according to any of claims 1 to 11, wherein the polymerization initiator comprises a cationic polymerization initiator.

10 13. The neutron shielding material composition according to claim 12, wherein the cationic polymerization initiator comprises a compound of the structural formula (11) or (16):



wherein R₁₀ is a hydrogen atom, a halogen atom, a nitro group or a methyl group, R₁₁ is a hydrogen atom, CH₃CO or CH₃OCO, and X is SbF₆, PF₆, BF₄ or AsF₆.

5

14. The neutron shielding material composition according to any of claims 1 to 13, further comprising a filler.

15. The neutron shielding material composition according to 10 any of claims 1 to 14, further comprising a refractory material.

16. The neutron shielding material composition according to claim 15, wherein the refractory material comprises at least one of magnesium hydroxide and aluminum hydroxide.

15

17. The neutron shielding material composition according to any of claims 1 to 16, wherein the density increasing agent is a metal powder having a density of 5.0 to 22.5 g/cm³, a

metal oxide powder having a density of 5.0 to 22.5 g/cm³, or a combination thereof.

18. A neutron shielding material produced from the neutron
5 shielding material composition according to any of claims 1
to 17.

19. A neutron shielding container produced from the neutron
shielding material according to claim 18.